Abstract

Device for Synchronization of a Mobile Radio Receiver to a Frame Structure of a Received Radio Signal

A device (1) for accelerated synchronization of a mobile radio receiver to a frame structure of a received radio signal, comprises a unit (2) to determine energy values that were received by the mobile radio receiver for each frame synchronization code per time slot, at least two intermediate memories (TEMP_RAM_EVEN, TEMP_RAM_ODD) to store the energy values and a unit (PEAK_DETECT, 3) to calculate the frame start of the radio signal from the energy values and the known frame synchronization codes.